

AMENDMENTS TO THE CLAIMS

Claims 1-4 (Withdrawn)

Claims 5-12 (Canceled)

Claims 13-16 (Withdrawn)

Claims 17-29 (Canceled)

Claims 30-32 (Withdrawn)

Claim 33 (Canceled)

Claim 34-35 (Withdrawn)

36. (Currently amended) A transgenic mouse whose genome comprises a disruption in the endogenous mouse glucocorticoid-induced receptor gene, wherein where the disruption is homozygous, the transgenic mouse lacks production of functional glucocorticoid-induced receptor and exhibits hyperactivity, reduced anxiety, decreased propensity toward behavioral despair, or decreased propensity toward depression.

37. (Previously presented) The transgenic mouse of claim 36, wherein the hyperactivity comprises an increase in total distance traveled in an open field environment, relative to a wild-type mouse.

38. (Previously presented) The transgenic mouse of claim 36, wherein the reduced anxiety comprises an increase in percent time spent in a central region of an open field environment, relative to a wild-type mouse.

39. (Previously presented) The transgenic mouse of claim 36, wherein the decreased propensity toward behavioral despair comprises a decrease in time spent immobile while tail suspended, relative to a wild-type mouse.

40. (Previously presented) The transgenic mouse of claim 36, wherein the decreased propensity toward depression comprises a decrease in time spent immobile while tail suspended, relative to a wild-type mouse.

41. (Previously presented) A cell or tissue obtained from the transgenic mouse of claim 36.

Claims 42-46 (Canceled)

47. (Currently amended) A method of producing a transgenic mouse ~~comprising~~ whose genome comprises a homozygous disruption in the endogenous mouse glucocorticoid-induced receptor gene, the method comprising:

(a) providing ~~an murine~~ a mouse embryonic stem cell comprising a disruption in the endogenous mouse glucocorticoid-induced receptor gene; and

(b) introducing the ~~murine~~ mouse embryonic stem cell into a pseudopregnant mouse, wherein the pseudopregnant mouse gives birth to a transgenic mouse; wherein ~~where the disruption is homozygous,~~ the transgenic mouse whose genome comprises the homozygous disruption in the endogenous mouse glucocorticoid-induced receptor gene lacks production of functional glucocorticoid-induced receptor and exhibits hyperactivity, reduced anxiety, decreased propensity toward behavioral despair, or decreased propensity toward depression.

48. The transgenic mouse produced by the method of claim 47.